

Claims:

1. Registration artifact for use in registering fluoroscopic images comprising:
a plurality of radio-opaque fiducials arranged in a known geometric relationship;
and

5 a plurality of trackable markers disposed on the artifact in a known geometric
relationship to fiducials.

10 2. A method for registering fluoroscopic images comprising:
capturing a first fluoroscopic image of a patient and a registration artifact from a
first perspective, the registration artifact including, a plurality of radio-opaque fiducials
arranged in a known geometric relationship and a plurality of trackable markers disposed
in a known geometric relationship to fiducials;

15 determining the position of the registration artifact in the first fluoroscopic image
with respect to a known coordinate frame by determining the position of the markers
using the tracking system; and

capturing a second fluoroscopic image of the patient and the registration artifact
frame second perspective;

20 determining the position of the registration artifact in the second fluoroscopic
image with respect to the known coordinate frame by determining the position of the
markers using the tracking system;

registering the first and second fluoroscopic images using the positions of the
fiducials in each fluoroscopic image and the determined positions of the registration
artifact.

registering the fluoroscopic images.